
GLOSSARY

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ABANDONED MINE LANDS: Inactive or abandoned mines located on or near public land where the owner or operator cannot be established, have no financial assets, are cannot assist with the reclamation of these mine sites.

ADVERSE OR NEGATIVE: An effect that is detrimental or causes harm to a specific resource or resource use. Could be used in short-term, long-term, or both short and long-term contexts.

ACCELERATED EROSION: Soil loss above natural levels resulting directly from human activities. Because of the slow rate of soil formation, accelerated erosion can lead to a permanent reduction in plant productivity.

ACTIVE PREFERENCE: That portion of the total grazing preference for which grazing use may be authorized.

ACTIVITY PLAN: Site-specific plan which precedes actual development. This is the most detailed level of BLM planning, and is also referred to as project level or implementation level planning.

ACTUAL USE: The amount of animal unit months consumed by livestock based on the numbers of livestock and grazing dates submitted by the livestock operator and confirmed by periodic field checks by the BLM.

ADMINISTRATIVE UNIT: Field Office, Resource Area, District, or State.

AFFECTED ENVIRONMENT: Natural, physical and human-related environment that is sensitive to changes due to proposed actions.

AIR QUALITY: Refers to standards for various classes of land as designated by the Clean Air Act of 1978.

ALLOTMENT: An area of land where one or more livestock operators graze their livestock. Allotments generally consist of BLM lands but may also include other federally managed, state owned, and private lands. An allotment may include one or more separate pastures. Livestock numbers and periods of use are specified for each allotment.

ALLOTMENT CATEGORIZATION: Grazing allotments and rangeland areas used for livestock grazing are assigned to an allotment category during resource management planning. Allotment categorization is used to establish priorities for distributing available funds and personnel during plan implementation to achieve cost-effective improvement of rangeland resources. Categorization is also used to organize allotments into similar groups for purposes of developing multiple use prescriptions, analyzing site-specific and cumulative impacts, and determining trade-offs.

ALLOTMENT MANAGEMENT PLAN: A written program of livestock grazing management, including supportive measures if required, designed to attain specific management goals in a grazing allotment.

ALLOWABLE SALE QUANTITY: The maximum quantity of timber that may be sold from the area of suitable land covered by the resource management plan for a specified time period specified by the plan.

ALTERNATIVE: In an Environmental Impact Statement, one of a number of possible options for responding to the purpose and need for action.

ALLUVIUM: Any sediment deposited by flowing water, as in a river bed, floodplain, or delta.

AMENDMENT: The process for considering or making changes in the terms, conditions, and decisions of approved Resource Management Plans or Management Framework Plans using the prescribed provisions for resource management planning appropriate to the proposed action or circumstances. Usually only one or two issues are considered that involve only a portion of the planning area.

ANALYSIS AREA: The geographic area defining the scope of analysis for a particular resource. This area may be larger than the project area when effects have the potential to extend beyond the boundaries of the proposed action.

ANALYSIS OF THE MANAGEMENT SITUATION: A comprehensive documentation of the present conditions of the resources, current management guidance, and opportunities for change.

ANIMAL UNIT MONTH (AUM): A standardized measurement of the amount of forage necessary for the sustenance of one cow unit or its equivalent for 1 month; approximately 800 pounds of forage.

APPEAL: Application for review by a higher court.

APPLICATION FOR PERMIT TO DRILL (APD): Before beginning construction or the drilling of a well, the lessee or operator must file an Application for Permit to Drill (APD) with the BLM Great Falls Oil and Gas Field Station. A copy of the application is posted in the Field Station and Butte Field Office, and if applicable, in the office of the Surface Management Agency (SMA) for a minimum of 30 days for review by the public. After 30 days, the application can be approved in accordance with (a) lease stipulations, (b) Onshore Oil and Gas Orders, and (c) Onshore Oil and Gas regulations (43 CFR Part 3160) if it is administratively and technically complete.

APPROPRIATION: Public lands covered by an entry, settlement, claim, location, withdrawal, or reservation

that sets the land apart for some particular use or disposal.

AQUATIC: Living or growing in or on the water.

AQUIFER: A water-bearing bed or layer of permeable rock, sand, or gravel capable of yielding large amounts of water.

ARCHAEOLOGICAL RESOURCE/REMAINS: A term with legal definition and application, meaning any material remains of human life or activities that are at least 100 years of age, and that are of archaeological interest.

AREA OF CRITICAL ENVIRONMENTAL CONCERN: Areas within the public lands where special management attention is required to: (1) protect and prevent irreparable damage to important historic, cultural, or scenic values, fish and wildlife resources, or other natural systems or processes, or (2) protect life and safety from natural hazards.

ARID: A condition of a region where precipitation is insufficient to support any but drought-adapted vegetation.

ARMORING: Placement of protective material for the primary purpose of reducing sediment into streams or other water bodies.

ASPECT: (1) the visual first impression of vegetation at a particular time or seen from a specific point. (2) The predominant direction of the slope of the land.

ASSESSMENT: The act of evaluating and interpreting data and information for a defined purpose.

AUTHORIZED OFFICER: The Federal employee who has the delegated authority to make a specific decision.

AUTHORIZED USE: Uses of public land that may be authorized include agriculture development, residential use (under certain conditions), business, industrial, and commercial uses, advertising; research projects, State National Guard maneuvers, and motion picture filming. Recreational concessions are considered business uses and may be authorized by lease. Timber harvest, livestock grazing, mineral extraction, and special recreation events, among other uses, are authorized under other regulations and not under Section 302 of the Federal Land Policy Management Act (FLPMA).

AVOIDANCE AREAS: Areas with sensitive resource values where rights-of-way would be strongly discouraged. Authorizations made in avoidance areas would have to be compatible with the purpose for which the area was designated and not be otherwise feasible on lands outside the avoidance area.

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BACK COUNTRY BYWAYS: Vehicle routes that traverse scenic corridors utilizing secondary or back country road systems. National back country byways are desig-

nated by the type of road and vehicle needed to travel the byway.

BANKFULL CHANNEL: The elevation on the stream-bank where flooding begins. Bankfull discharge normally re-occurs every 1½ years. The bankfull stage corresponds to the discharge at which channel maintenance is effective.

BASIN: A depressed area having no surface outlet (topographic basin); a physiographic feature or subsurface structure that is capable of collecting, storing, or discharging water by reason of its shape and the characteristics of its confining material (water); a depression in the earth's surface, the lowest part often filled by a lake or pond (lake basin); a part of a river or canal widened (drainage, river, stream basin).

BENEFICIAL OR POSITIVE: An effect promoting a favorable result for a specific resource of resource use. Could be used in short-term, long-term, or both short and long-term contexts.

BEST MANAGEMENT PRACTICES (BMPs): A suite of techniques that guide, or may be applied to, management actions to aid in achieving desired outcomes. Best management practices are often developed in conjunction with land use plans, but they are not considered a land use plan decision unless the land use plan specifies that they are mandatory. They may be updated or modified without a plan amendment if they are not mandatory.

BIG GAME: Large species of wildlife that are hunted, such as elk, deer, bighorn sheep, and pronghorn antelope.

BIG GAME ANALYSIS UNIT: Logical locations across the landscape to conduct analysis of big game winter range. These areas were broken out based on a combination of Elk Management Units from Montana's Elk Management Plan (MFWP 2004) and watershed boundaries.

BIODIVERSITY: The diversity of living organisms considered at all levels of organization including genetics, species, and higher taxonomic levels, and the variety of habitats and ecosystems, as well as the processes occurring therein.

BIOLOGICAL ASSESSMENT: The gathering and evaluation of information on proposed endangered and threatened species and critical habitat and proposed critical habitat. Required when a management action potentially conflicts with endangered or threatened species, the biological assessment is the way federal agencies enter into formal consultation with the Fish and Wildlife Service and describe a proposed action and the consequences to the species the action would affect.

BIOLOGICAL WEED TREATMENT: These are treatments which involve living creatures, such as insects, sheep and goat grazing, plant pathogens, and biopesticides.

BIOMASS: Vegetative byproducts or materials leftover from stand treatments usually made up of all or portions of trees and woody shrubs, including limbs, tops, stumps, and stems. This term can refer to such material that can be gathered and transported to cogeneration plants, and there utilized for production of electricity.

BOARD FEET: A unit of solid wood one foot square and one inch thick. (BF- board foot, MBF-thousand board feet, MMBF million board feet)

BROWSE: To browse (verb) is to graze a plant; also, browse (noun) is the tender shoots, twigs and leaves of trees and shrubs often used as food by livestock and wildlife.

BUFFER ZONE (STRIP): A protective area adjacent to an area of concern requiring special attention or protection. In contrast to riparian zones which are ecological units, buffer strips can be designed to meet varying management concerns.

BUNCHGRASS: Individual grasses that have the characteristic growth habit of forming a “bunch” as opposed to having stolens or rhizomes or single annual habit.

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CANDIDATE SPECIES: Any species included in the Federal Register notice of review that are being considered for listing as threatened or endangered by the U.S. Fish and Wildlife Service.

CANOPY: Foliar layer(s) consisting of the crowns of trees or shrubs in a forest or woodland.

CARRYING CAPACITY: The maximum stocking rate possible without damaging vegetation or related resources.

CENOZOIC: The most recent era of geologic history (65 million years ago until the present) during which the world’s modern landforms, animals, and plants came into being.

CHANNEL: An open conduit either naturally or artificially created which periodically or continuously contains moving water or forms a connecting link between two bodies of water.

CHEMICAL WEED TREATMENT: These are treatments using additives, such as applying herbicides or changing soil nutrient ratios.

CLASSIFICATION: The authority of the Secretary of the Interior to examine land to see whether it is proper for entry, selection, or location.

CLASSIFICATION OF LANDS: The process of determining whether lands are more valuable or suitable for transfer or use under particular or various public land laws than for retention in federal ownership for management purposes.

CLEAN AIR ACT: Federal legislation governing air pollution.

CLIMATE CHANGE (ALSO REFERRED TO AS 'GLOBAL CLIMATE CHANGE'): Climate change refers to any significant change in measures of climate (such as temperature, precipitation, or wind) lasting for an extended period (decades or longer). Climate change may result from:

- Natural factors, such as changes in the sun's intensity or slow changes in the Earth's orbit around the sun
- Natural processes within the climate system (e.g., changes in ocean circulation)
- Human activities that change the atmosphere's composition (e.g., through burning fossil fuels) and the land surface (e.g., deforestation, reforestation, urbanization, desertification)

CLIMAX: The culminating stage in plant succession for a given site where vegetation has reached a highly stable condition.

CLIMAX VEGETATION: The ecological vegetation community that represents the culminating stage or highest development of natural vegetative succession. The climax community often can perpetuate itself indefinitely unless disturbed by outside forces.

CLOSE (SEGREGATE): To remove land from operation of some or all of the public land laws for a given period of time.

CLOSED: Generally denotes that an area is not available for a particular use or uses; refer to specific definitions found in law, regulations, or policy guidance for application to individual programs.

CLOSED ROAD: Closed to motorized public access and subject to administrative or permitted uses based on case-specific exceptions (such as for mining claimants with existing claims accessed by existing routes). Routes identified as closed would have a route bed left intact in case they are needed for valid existing rights only, or in the extended future for administrative purposes. Closed routes would be open to non-motorized use.

CODE OF FEDERAL REGULATIONS (CFR): The official, legal tabulation or regulations directing federal government activities.

COLLABORATION: A cooperative process in which interested parties, often with widely varied interests, work together to seek solutions with broad support for managing public and other lands.

COMMERCIAL FOREST LAND: Forest land which is producing, or has a site capable of producing, at least 20 cubic feet/acre/year of a commercial tree species.

COMMON VARIETY MINERALS: Stone, gravel, pumice, pumicite, and cinders that, though possibly having value for trade, manufacture, the sciences, or the mechanical or ornamental arts, do not have a distinct,

special value for such use beyond normal uses. On the public lands such minerals are considered salable and are disposed of by sales or by special permits to local governments.

COMMUNITY: An assemblage of plant and animal populations in a common spatial arrangement.

COMPOSITION (OF FOREST VEGETATION): The proportion of each tree species in a stand, expressed as a percentage of the total number, basal area, or volume of all tree species in the stand.

CONDITION CLASS: Departure from the historic fire regime, as determined by the number of missed fire return intervals - with respect to the historic fire return interval and the current structure and composition of the system resulting from alternations to the disturbance regime. Three classes categorize the current condition with respect to each of five historic Fire Regime Groups. The relative risk of fire-caused loss of key components defines the system increases for each higher number condition. Class 1 level means little or no risk.

CONFORMANCE: That a proposed action shall be specifically provided for in the land use plan or, if not specifically mentioned, shall be clearly consistent with the goals, objectives, or standards of the approved land use plan.

CONIFER: A tree or shrub of the order Coniferae with cones and needle-shaped or scale like leaves.

CONIFEROUS: Pertaining to conifers, which bear woody cones containing naked seeds.

CONNECTIVITY: The degree to which similar but separated vegetation components of a landscape are connected.

CONSERVATION AGREEMENT: A formal signed agreement between the U.S. Fish and Wildlife Service or National Marine Fisheries Service and other parties that implements specific actions, activities, or programs designed to eliminate or reduce threats or otherwise improve the status of a species. Conservation agreements can be developed at a State, regional, or national level and generally include multiple agencies at both the State and Federal level, as well as tribes. Depending on the types of commitments the BLM makes in a conservation agreement and the level of signatory authority, plan revisions or amendments may be required prior to signing the conservation agreement, or subsequently in order to implement the conservation agreement.

CONSERVATION STRATEGY: A strategy outlining current activities or threats that are contributing to the decline of a species, along with the actions or strategies needed to reverse or eliminate such a decline or threats. Conservation strategies are generally developed for species of plants and animals that are designated as BLM Sensitive species or that have been determined by

the Fish and Wildlife Service or National Marine Fisheries Service to be Federal candidates under the Endangered Species Act.

CONSISTENCY: The proposed land use plan does not conflict with officially approved plans, programs, and policies of tribes, other Federal agencies, and State, and local governments to the extent practical within Federal law, regulation, and policy.

CONTIGUOUS: lands or legal subdivisions having a common boundary; lands having only a common corner are not contiguous.

COOPERATING AGENCY: Assists the lead Federal agency in developing an Environmental Analysis or Environmental Impact Statement. The Council on Environmental Quality regulations implementing NEPA defines a cooperating agency as any agency that has jurisdiction by law or special expertise for proposals covered by NEPA. Any tribe or Federal, State, or local government jurisdiction with such qualifications may become a cooperating agency by agreement with the lead agency.

CORRIDOR: A wide strip of land within which a proposed linear facility could be located.

COUNCIL ON ENVIRONMENTAL QUALITY (CEQ): An Executive Office advisory council established by the National Environmental Policy Act of 1969 for review of federal program effects on the environment. They conduct environmental studies and advise the President on environmental matters.

COVER: Any form of environmental protection that helps an animal stay alive (mainly shelter from weather and concealment from predators).

COVER TYPE: The present vegetation composition of an area, described by the dominant plant species.

CRITICAL HABITAT: An area occupied by a threatened or endangered species "on which are found those physical and biological features (1) essential to the conservation of the species, and (2) which may require special management considerations or protection".

CULTURAL RESOURCE/ CULTURAL PROPERTY: a definite location of human activity, occupation, or use identifiable through field inventory (survey), historical documentation, or oral evidence. The term includes archaeological, historic, or architectural sites, structures, or places with important public and scientific uses, and may include definite locations (sites or places) or traditional cultural or religious importance to specified social and/or cultural groups. Cultural resources are concrete, material places and things that are located, classified, ranked, and managed through the system of identifying, protecting, and utilizing for public benefit.

CULTURAL RESOURCE INVENTORY CLASSES:

- **Class I – Existing data inventory:** a study of published and unpublished documents, records, files, registers, and other sources, resulting in analysis and synthesis of all reasonably available data. Class I inventories encompass prehistoric, historic, and ethnological/sociological elements, and are in large part chronicles of past land uses. They may have major relevance to current land use decisions.
- **Class II – Sampling field inventory:** a statistically based sample survey designed to help characterize the probable density, diversity, and distribution of archaeological properties in a large area by interpreting the results of surveying limited and discontinuous portions of the target area.
- **Class III – Intensive field inventory:** a continuous, intensive survey of an entire target area, aimed at locating and recording all archaeological properties that have surface indications, by walking close-interval parallel transects (generally at 30 m intervals) until the area has been thoroughly examined.

CULTURAL WEED TREATMENT: These are treatments which involve human behavior, such as using quarantine, closure, or relocation of a particular activity to reduce weed spread, selective timing and choice of stock for grazing, containing livestock after they have grazed in a weed infested area, revegetation seed mix choices for rehabilitating new soil disturbances, land use choices, and public outreach methods.

CUMULATIVE IMPACT: The impact on the environment that results from the incremental impact of the action when added to other past, present, or reasonably foreseeable future actions regardless of what agency (Federal or non-Federal) or person undertakes such other actions. Cumulative impacts can result from individually minor but collectively significant actions taking place over a period of time.

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“DE FACTO” WITHDRAWAL: An action that closes lands through a means other than formal withdrawal, e.g. application, classification, land use planning decision.

DECIDUOUS: Pertaining to plants that shed all their leaves every year in a certain season.

DECISION AREA: Within the Butte Field Office Planning Area, BLM administers about 307,309 acres of public land surface and 652,194 acres of federal mineral estate. All public land managed by the BLM within the Planning Area is referred to as the Decision Area.

DECOMMISSIONED ROAD: Route is closed and rehabilitated to eliminate resource impacts (for example, to eliminate erosion or to restore a riparian area if route is located within a riparian area) and is no longer useable for public or administrative uses.

DEEP SOILS: Soils that are 40 to 60 inches deep to bedrock.

DENNING HABITAT: Habitat used during parturition and rearing of young until they are mobile. The common component appears to be large amounts of coarse woody debris, either down logs or root wads. Coarse woody debris provides escape and thermal cover for kittens. Denning habitat may be found either in older mature forest of conifer or mixed conifer/deciduous types, or in regenerating stands (>20 years since disturbance). Denning habitat must be located within daily travel distance of foraging habitat (typical maximum daily distance for females is 3-6 miles).

DESIGNATED ROADS AND TRAILS: Specific roads and trails where some type of motorized vehicle use is allowed either seasonally or year-long.

DESIRED FUTURE CONDITION: Outcomes representing the long-term vision of BLM with regard to the resources managed in the Butte Field Office on BLM land.

DEVELOPED RECREATION: Recreation that requires facilities and might result in concentrated use of an area; for example, a campground.

DISPERSED RECREATION: Recreation activities of an unstructured type which are not confined to specific locations such as recreation sites. Example of these activities may be hunting, fishing, off-road vehicle use, hiking, and sightseeing.

DISTURBANCE: Events that alter the structure, composition, or function of terrestrial or aquatic habitats. Natural disturbances include drought, floods, wind, fires, wildlife grazing, and insects and pathogens. Human-caused disturbances include actions such as timber harvest, fire, livestock grazing, road construction, and the introduction of exotic species.

DISTRIBUTION LINE: An electric power line operating at a voltage of less than 69 kilovolts.

DIVERSITY: The relative abundance of wildlife species, plant species, communities, habitats, or habitat features per unit of area.

DRAINAGE: The removal of excess water from land by surface or subsurface flow.

DRILLING: The operation of boring a hole in the earth, usually for the purpose of finding and removing subsurface formation fluids such as oil and gas.

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EASEMENT: A right afforded a person or agency to make limited use of another's real property for access or other purposes.

ECOLOGICAL FUNCTION: The process through which the constituent living and nonliving elements of ecosystems change and interact, including biogeochemical processes and succession.

ECONOMICS: The study of allocation of limited resources, goods, and services among competing uses.

ECOSYSTEM: A complete, interacting system of living organisms and the land and water that make up their environment; the home places of all living things, including humans.

ELIGIBILITY (FOR WILD AND SCENIC RIVERS): A river is eligible for inclusion in the National Wild and Scenic River System if it is free flowing and has at least one river-related value that is considered outstandingly remarkable.

ELK MANAGEMENT UNIT: Designated by Montana Fish Wildlife and Parks, establishes statewide elk management population objectives and divides Montana's elk habitat into 35 management units, each with its own elk management objectives and elk population targets.

EMERGENT VEGETATION: Aquatic plant species that are rooted in wetlands but extend above the water's surface.

ENCROACH: Plant succession in the absence of disturbance, in areas the plant type is not desired. Often associated with vegetative type conversion such as conifer colonization of grass or shrub meadows.

ENDANGERED SPECIES: Any plant or animal species which is in danger of extinction throughout all or a significant portion of its range.

ENTRY: An application to acquire title to public lands.

ENVIRONMENTAL ASSESSMENT: A concise public document that analyzes the environmental impacts of a proposed federal action and provides sufficient evidence to determine the level of significance of the impacts.

ENVIRONMENTAL IMPACT STATEMENT: A detailed written statement required by the National Environmental Policy Act when an agency proposes a major federal action significantly affecting the quality of the human environment.

ENVIRONMENTAL JUSTICE: Refers to the fair treatment and meaningful involvement of people of all races, cultures and incomes with respect to the development, implementation and enforcement of environmental laws, regulations, programs and policies. Fair treatment means that no group of people, including racial, ethnic, or socioeconomic group should bear a disproportionate share of the negative environmental consequences resulting from industrial, municipal, and commercial operations or the execution of federal state, local and tribal programs and policies.

Ephemeral area: Watershed land area that delivers surface water flow during spring runoff, rain, and snow storms to intermittent and perennial streams.

EROSION: The wearing away of the land surface by running water, wind, ice, or other geological agents.

EXCEPTION (OIL AND GAS): A one-time exemption to a lease stipulation. Exceptions are determined on a case-by-case basis.

EXCHANGE: A trading of public lands (surface and/or subsurface estates) that usually do not have high public value, for lands in other ownerships that do have value for public use, management, and enjoyment. The exchange may be for the benefit of other federal agencies as well as for BLM.

EXCLUSION AREAS: Areas with sensitive resource values where rights-of-way would be prohibited.

EXPLORATION: The work of investigating a mineral deposit to determine by geological surveys, geophysical surveys, geochemical surveys, boreholes, pits, and underground workings if it is feasible to mine.

EXTENSIVE RECREATION MANAGEMENT AREA: Areas where significant recreation opportunities and problems are limited and explicit recreation management is not required. Minimal management actions related to the Bureau's stewardship responsibilities are adequate in these areas.

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FACULTATIVE (FAC): Plant species equally likely to occur in wetlands, riparian areas, or non-wetlands (estimated probability 34%-66%).

FACULTATIVE WETLAND (FACW): Plant species that usually occur in wetlands or riparian areas (estimated probability 67%-99%), but occasionally found in non-wetlands or uplands.

FEDERAL LAND POLICY AND MANAGEMENT ACT OF 1976: Public Law 94-579. October 21, 1976, often referred to as the BLM's "Organic Act," which provides the majority of the BLM's legislated authority, direction, policy, and basic management guidance.

FEDERAL POWER PROJECT RESERVATION: A reservation of public lands for use in a project developed under the jurisdiction of the Federal Power Commission.

FEDERAL REGISTER: A daily publication that reports Presidential and Federal Agency documents.

FIRE CONDITION CLASS: Categorizes and describes vegetation composition and structure conditions that currently exist inside the Fire Regime Groups. Three classes serve as generalized wildfire risk rankings based on coarse-scale data. The risk components from unwanted wildland fire increases from lowest risk-Condition Class I, to highest-Condition Class 3.

FIRE FREQUENCY: How often fire burns a given area; often expressed in terms of fire return intervals. For example, a site might burn over every 5 to 15 years.

FIRE INTENSITY: Expression used to describe the power of wildland fires. More commonly described as the rate of energy released per unit length of the fire front.

FIRE MANAGEMENT PLAN: A strategic plan that defines a program to manage wildland and prescribed fires and documents the fire management program in the approved land use plan; the plan is supplemented by operational procedures such as preparedness plans, preplanned dispatch plans, prescribed fire plans, and prevention plans.

FIRE MANAGEMENT ZONE: Administrative unit for wildland fire suppression, for the execution of all logistical, aviation, and support activities within this geographical area.

FIRE PREPAREDNESS: Activities that lead to a safe, efficient, and cost-effective fire management program in support of land and resource management objectives through appropriate planning and coordination.

FIRE REGIMES: periodicity and pattern of naturally occurring fires in a particular area or vegetative type, described in terms of frequency, biological severity, and aerial extent.

FIRE SEVERITY: A qualitative measure of the fire's immediate effects on the ecosystem. Relates to the extent of mortality and survival of plant and animal life—both above and below ground and to loss of organic matter.

FISHERY: Habitat that supports the propagation and maintenance of fish.

FLOOD PLAIN: The relatively flat area or lowlands adjoining a body of standing or flowing water which has been or might be covered by floodwater.

FLUVIAL: Pertaining to streams or produced by stream action.

FORAGE: All browse and herbaceous foods available to grazing animals, which may be grazed or harvested for feeding.

FORAGE RESERVE ALLOTMENT (GRAZING): A unit of public land that will not have term grazing permits issued. Such an allotment would only be grazed on a temporary nonrenewable basis. The use of these allotments would be to provide temporary grazing to rest other areas following wildfire, habitat treatments, or to allow for more rapid attainment of rangeland health. The allotment must be of sufficient size to be managed as a discrete unit. Resource Reserve Allotments should be distributed throughout the planning area.

FORB: An herbaceous plant that is not a grass, sedge, or rush.

FOREST HEALTH: The perceived condition of a forest derived from concerns about such factors as its age, structure, composition, function, vigor, presence, or

unusual levels of insects and disease, and resilience to disturbance.

FOREST HEALTH TREATMENTS: Treatments that restore forest ecosystems or stands to a condition that sustains their complexity, function, and/or productivity while providing for human needs.

FOREST LAND: Land that is now, or has the potential of being, at least 10 percent stocked by forest trees (based on crown closure) or 16.7 percent stocked (based on tree stocking).

FORMATION: A body of rock identified by lithic characteristics and stratigraphic position; it is prevailing, but not necessarily tabular, and is mappable at the earth's surface or traceable in the subsurface.

Fossil: Mineralized or petrified form from a past geologic age, especially from previously living things.

FRAGMENTATION: The splitting or isolating of patches of similar habitat. Habitat can be fragmented by natural events or development activities.

FREE-FLOWING RIVER: Existing or flowing in a natural condition without impoundment, diversion, straightening, rip-rapping, or other modification of the waterway.

FUEL LOADING: The weight of fuels in a given area, usually expressed in tons per acre, pounds per acre, or kilograms per square meter.

FUEL MANAGEMENT: Manipulation or reduction of fuels to meet forest protection and management objectives while preserving and enhancing environmental quality.

FUEL TREATMENT: The rearrangement or disposal of fuels to reduce the fire hazard.

FUEL TYPE: An identifiable association of fuel elements of a distinctive plant species, form, size, arrangement, or other characteristics that will cause a predictable rate of fire spread or difficulty of control under specified weather conditions.

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GAME SPECIES: Any species of wildlife or fish for which seasons and bag limits have been prescribed, and which are normally harvested by hunters, trappers, and fisherman under State or federal laws, codes, and regulations.

GENERAL ORDERS OF WITHDRAWALS: Executive Orders No. 6910 of November 26, 1934, and No. 6964 of February 5, 1935, which withdrew for classification all vacant public lands in the 11 western states and certain other public land states.

GEOGRAPHIC INFORMATION SYSTEM (GIS): A system of computer hardware, software, data, people and applications that capture, store, edit, analyze, and

graphically display a potentially wide array of geospatial information.

GEOPHYSICAL EXPLORATION: The use of geophysical instruments and methods to determine subsurface conditions by analyzing such properties as specific gravity, electrical conductivity, or magnetic susceptibility.

GLOBAL CLIMATE CHANGE (ALSO REFERRED TO AS 'CLIMATE CHANGE'): Climate change refers to any significant change in measures of climate (such as temperature, precipitation, or wind) lasting for an extended period (decades or longer). Climate change may result from:

- Natural factors, such as changes in the sun's intensity or slow changes in the Earth's orbit around the sun
- Natural processes within the climate system (e.g., changes in ocean circulation)
- Human activities that change the atmosphere's composition (e.g., through burning fossil fuels) and the land surface (e.g., deforestation, reforestation, urbanization, desertification)

GOAL: A broad statement of a desired outcome. Goals are usually not quantifiable and may not have established time frames for achievement.

GRAZING SYSTEM: The manipulation of livestock grazing to accomplish a desired result.

GREENHOUSE GAS (GHG): Gases in the earth's atmosphere that produce the greenhouse effect. Greenhouse gases include water vapor, carbon dioxide, methane, nitrous oxide, halogenated fluorocarbons, ozone, perfluorinated carbons, and hydro fluorocarbons. Changes in the concentration of certain greenhouse gases, due to human activity such as fossil fuel burning, increase the risk of global climate change.

GROUNDWATER: Water contained in pore spaces of consolidated and unconsolidated surface material.

GUIDELINES: Actions or management practices that may be used to achieve desired outcomes, sometimes expressed as best management practices. Guidelines may be identified during the land use planning process, but they are not considered a land use plan decision unless the plan specifies that they are mandatory.

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HABITAT: A specific set of physical conditions that surround a species, group of species, or a large community. In wildlife management, the major constituents of habitat are considered to be food, water, cover, and living space. The complete suite of biotic and abiotic components of the environment where an animal lives.

HABITAT CONNECTIVITY: Vegetative cover in sufficient quantity and arrangement to allow for the movement of wildlife.

HABITAT DIVERSITY: The variation in types, sizes, and shapes of landscape elements or vegetation types.

HABITAT TYPE: A site classification of all land areas potentially capable of producing similar plant communities at the climax phase of succession.

HAZARDOUS FUEL: Excessive live or dead wildland fuel accumulations that increase the potential for uncharacteristically intense wildland fire and decrease the capability to protect life, property, and natural resources.

HEALTHY FOREST INITIATIVE OF 2002: Presidential direction to the Departments of Agriculture and the Interior to improve regulatory processes and management efficiency in reducing the threat of destructive wildfires while upholding environmental standards and encouraging early public input during review and planning processes. The initiative is based on sound science and helps care for forests and rangelands, reduce the risk of catastrophic fire to communities, help save the lives of firefighters and citizens, and protect threatened and endangered species.

HEAVY METAL: Any of the metals that react readily with dithizone, including zinc, copper, cobalt, lead, bismuth, gold, cadmium, iron, manganese, nickel, tantalum, tellurium, platinum, and silver.

HERBACEOUS: Pertaining to or characteristic of an herb (fleshy-stem plant) as distinguished from the woody tissue of shrubs and trees.

HIGH OR MAJOR: An effect is severe; there would be a highly noticeable, long-term, or permanent measurable change.

HISTORIC: Period wherein nonnative cultural activities took place, based primarily upon European roots, having no origin in the traditional Native American culture(s).

HISTORIC PROPERTY OR HISTORIC RESOURCE: "any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register. The term includes, for purposes of these regulations, artifacts, records, and remains that are related to and located within such properties. The term 'eligible for inclusion in the National Register' includes both properties formally determined as such by the Secretary of the Interior and all other properties that meet National Register listing criteria" {quoted from 36 CFR 900.2(e)}.

HOME RANGE: The area in which an animal travels in the scope of natural activities.

HORIZON (SOIL): A layer of soil or soil material roughly parallel to the land surface and differing from adjoining genetically related layers in physical, chemical, and biological properties or characteristics, such as color, structure, and texture.

HUMMOCK: A low, rounded hill, knoll, hillock; a tract of wooded land higher than a nearby swamp or marsh.

HYDROLOGIC CONDITION: The current state of the processes controlling the yield, timing, and quality of water in a watershed. Each physical and biologic process that regulates or influences stream flow and ground-water character has a range of variability associated with the rate or magnitude of energy and mass exchange. At any point in time, each of these processes can be defined by their current rate or magnitude relative to the range of variability associated with each process. Integration of all processes at one time represents hydrologic condition.

HYDROLOGIC UNIT CODE (HUC): A coding system developed by the U.S. Geological Survey to map geographic boundaries of watersheds by size.

HYDROPHYTIC: Water-loving; ability to grow in water or saturated soils.

-I-

IGNEOUS ROCK: Rock, such as granite and basalt, which has solidified from a molten or partially molten state.

IMPACT: A modification of the existing environment caused by an action (such as construction or operation of facilities).

IMPACTS (OR EFFECTS): Environmental consequences (the scientific and analytical basis for comparison of alternatives) as a result of a proposed action. Effects may be either direct, which are caused by the action and occur at the same time and place, or indirect, which are caused by the action and are later in time or farther removed in distance, but are still reasonably foreseeable, or cumulative.

IMPLEMENTATION DECISIONS: Decisions that take action to implement land use plan decisions. They are generally appealable to Interior Board of Land Appeals.

IMPLEMENTATION PLAN: A site-specific plan written to implement decisions made in a land use plan. An implementation plan usually selects and applies best management practices to meet land use plan objectives. Implementation plans include both activity plans and project plans.

INDIAN TRIBE: Any Indian group in the conterminous United States that the Secretary of the Interior recognizes as possessing tribal status.

INDICATOR (SPECIES): A species of animal or plant whose presence is a fairly certain indication of a particular set of environmental conditions. Indicator species serve to show the effects of development actions on the environment.

INDIRECT EFFECTS: Secondary effects that occur in locations other than the initial action or later in time.

INFILTRATION: The downward entry of water into the soil or other material.

INITIAL (FIRE) ATTACK: An aggressive fire suppression action consistent with firefighter and public safety and values to be protected.

INTEGRATED WEED MANAGEMENT (IWM): This is a decision support system involving deliberate selection, integration, and implementation of effective weed management tactics. It utilizes cost/benefit analysis and takes into consideration public interests and social, economical, and ecological impacts in the decision making process.

INTERDISCIPLINARY TEAM: A group of individuals with different training, representing the physical sciences, social sciences, and environmental design arts, assembled to solve a problem or perform a task. The members of the team proceed to a solution with frequent interaction so that each discipline may provide insights to any stage of the problem and disciplines may combine to provide new solutions. The number and disciplines of the members preparing the plan vary with circumstances. A member may represent one or more discipline or Bureau program interest.

INTERIM MANAGEMENT POLICY: Policy that guides management of the BLM's Wilderness Study Areas. The policy balances the various uses of Wilderness Study Areas with the requirement to protect the lands wilderness values.

INTERIOR BOARD OF LAND APPEALS: The Department of the Interior, Office of Hearings and Appeals board that acts for the Secretary of the Interior in responding to appeals of decisions on the use and disposition of public lands and resources. Because the Interior Board of Land Appeals acts for and on behalf of the Secretary of the Interior, its decisions usually represent the Department's final decision but are subject to the courts.

INTERMITTENT STREAM: A stream which occasionally is dry or reduced to pool stage. Often the water drainage connection from ephemeral areas to perennial streams.

INVASIVE PLANTS: Plants which are invasive species.

INVASIVE SPECIES: Organisms that have been introduced into an environment where they did not evolve. Executive Order 13112 focuses on organism whose presence is likely to cause economic harm, environmental harm, or harms to human health.

INVERSION: The state of the atmosphere in which a layer of cool air is trapped near the earth's surface by an overlying layer of warm air so that the lower layer cannot rise. Serious air pollution problems may result from air pollutants being emitted into the limited mixing depth below the inversion.

IRREVERSIBLE COMMITMENT OF RESOURCES: Result from the use or destruction of a specific resource that cannot be replaced within a reasonable time frame.

IRRETRIEVABLE COMMITMENT OF RESOURCES: Result from actions in which resources are considered permanently lost.

-J-

JURISDICTION: The legal right to control or regulate use of a transportation facility. Jurisdiction requires authority, but not necessarily ownership.

-K-

-L-

LAND CLASSIFICATION: A process for determining the suitability of public lands for certain types of disposal or lease under the public land laws or for retention under multiple use management.

LAND USE ALLOCATION: The identification in a land use plan of the activities and foreseeable development that are allowed, restricted, or excluded for all or part of the planning area, based on desired future conditions.

LAND USE PLAN: A set of decisions that establish management direction for land within an administrative area, as prescribed under the planning provisions of FLPMA; an assimilation of land-use-plan-level decisions developed through the planning process, regardless of the scale at which the decisions were developed.

LEASABLE MINERALS: Those minerals or materials designated as leasable under the Mineral Leasing Act of 1920. They include coal, phosphate, asphalt, sulphur, potassium, and sodium minerals, and oil, gas, and geothermal.

LEASE: (1) A legal document that conveys to an operator the right to drill for oil and gas; (2) the tract of land, on which a lease has been obtained, where producing wells and production equipment are located.

LEASE (OCCUPANCY): A usually long-term authorization to possess and use public lands for a fixed period of time (43 CFR 2910)

LEASE STIPULATION (OIL AND GAS): Conditions of lease issuance that provide protection for other resource values or land uses by establishing authority for substantial delay or site changes or the denial of operations within the terms of the lease contract. The authorized officer has the authority to relocate, control timing, and impose other mitigation measures under Section 6 of the Standard Lease Form. Lease stipulations clarify the Bureau's intent to protect known resources or resource values.

LESSEE: A person or entity holding record title in a lease issued by the United States (see 43 CFR 3160.0-5).

LESSEE (GRAZING): Holder of a valid lease that authorizes grazing use of the public lands outside the grazing district.

LEK: An assembly area where birds, especially sage grouse, carry on display and courtship behavior.

LIMITED AREAS OR TRAILS: Designated areas or trails where the use of off-road vehicles is subject to restrictions, such as limiting the number or types of vehicles allowed, dates and times of use (seasonal restrictions), limiting use to existing roads and trails, or limiting use to designated roads and trails. Under the designated roads and trails designation, use would be allowed only on roads and trails that are signed for use. Combinations of restrictions are possible, such as limiting use to certain types of vehicles during certain times of the year.

LINKAGE: Route that permits movement of individual plants (by dispersal) and animals from a habitat type to another similar habitat type.

LITTER: The uppermost layer of organic debris on the soil surface, essentially the freshly fallen or slightly decomposed vegetal material.

LOAMY: Intermediate in texture and properties between fine- and coarse-textured soils.

LOCATABLE MINERALS: Minerals subject to exploration, development, and disposal by staking mining claims as authorized by the Mining Law of 1872, as amended. This includes deposits of gold, silver, and other uncommon minerals not subject to lease or sale.

LODE MINING: Mining of a mineral deposit in solid rock.

LONG TERM: Effects lasting more than 10 years.

LOW OR MINOR: An effect is slight but detectable; there would be a small change.

LYNX HABITAT: Lynx occur in mesic coniferous forest that have cold, snowy winters and provide a prey base of snowshoe hare. In the Rocky Mountains primary vegetation that contributes to lynx habitat is lodgepole pine, subalpine fir, and Englemann spruce. Secondary vegetation that, when interspersed within subalpine forests, may also contribute to lynx habitat, includes cool, moist Douglas-fir, grand fir, western larch, and aspen forest. Dry forest types (ponderosa pine, climax lodgepole pine) do not provide lynx habitat. Primary elevations for lynx habitat are between 1500-2000 m. (4,920 – 6,560 ft.) elevation zones in the northern Rockies.

-M-

MANAGEMENT DECISION: A decision made by the BLM to manage public lands. Management decisions include both land use plan decisions and implementation decisions.

MANAGEMENT FRAMEWORK PLAN: Planning decision document prepared before the effective date of the regulations implementing the land use planning provisions of the FLPMA, which establishes, for a given area of land, land-use allocations, coordination guidelines for multiple-use, and objectives to be achieved for each class of land use or protection.

MANAGEMENT OPPORTUNITIES: A component of the analysis of the management situation; actions or management directions that could be taken to resolve issues or management concerns.

MEDIUM OR MODERATE: An effect is readily apparent; there would be a measurable change than could result in a small but permanent change.

MID-TERM: Effects lasting 5 to 10 years.

MILL: A plant in which ore is treated for the recovery of valuable minerals or valuable minerals are concentrated into a smaller bulk for shipping to a smelter or other reduction works.

MINE: An opening or excavation in the earth for extracting minerals.

MINERAL: Any solid or fluid inorganic substance that can be extracted from the earth for profit.

MINERAL ENTRY: The filing of a claim on public land to obtain the right to any minerals it may contain.

MINERAL ESTATE: The ownership of minerals, including rights necessary for access, exploration, development, mining, ore dressing, and transportation operations.

MINERAL MATERIALS: Materials such as common varieties of sand, stone, gravel, pumice, pumicite, and clay, that are not obtainable under the mining or leasing laws but that can be acquired under the Mineral Materials Act of 1947, as amended.

MINERAL WITHDRAWAL: A formal order that withholds federal lands and minerals from entry under the Mining Law of 1872 and closes the area to mineral location (staking mining claims) and development.

MINIMIZE: To reduce the adverse impact of an operation to the lowest practical level.

MINING CLAIM: A parcel of land that a miner takes and holds for mining purposes, having acquired the right of possession by complying with the Mining Law and local laws and rules. A single mining claim may contain as many adjoining locations as the locator may make or buy. There are four categories of mining claims: lode, placer, mill site, and tunnel site.

MINING DISTRICT: An area, usually designated by name, with described or understood boundaries, where minerals are found and mined under rules prescribed by the miners, consistent with the Mining Law of 1872.

MITIGATION MEASURES: Methods or procedures that reduce or lessen the impacts of an action.

MONITORING PLAN: The process of tracking the implementation of land use plan decisions and collecting and assessing data/information necessary to evaluate the effectiveness of land use planning decisions.

MODIFICATION: A change in a Plan of Operations that requires some level of review by BLM because it exceeds what was described in the approved Plan of Operations.

MODIFICATION (OIL AND GAS): A change to the provision of a lease stipulation either temporarily or for the term of the lease.

MONITORING PLAN: the process of tracking the implementation of land use plan decisions.

MULTIPLE USE: The management of the public lands and their various resource values so that they are utilized in the combination that will best meet the present and future needs of the American people; making the most judicious use of the lands for some or all of these resources or related services over areas large enough to provide sufficient latitude for periodic adjustments in use to conform to changing needs and conditions; the use of some lands for less than all of the resources; a combination of balanced and diverse resource uses that takes into account the long term needs of future generations for renewable and nonrenewable resources, including but not limited to, recreation, range, timber, minerals, watershed, wildlife and fish, and natural scenic, scientific and historical values; and harmonious and coordinated management of the various resources without permanent impairment of the productivity of the lands and the quality of the environment with consideration being given to the relative values of the resources and not necessarily to the combination of uses that will give the greatest economic return or greatest unit output.

-N-

NATIONAL AMBIENT AIR QUALITY STANDARDS: The allowable concentrations of air pollutants in the ambient (public outdoor) air. National ambient air quality standards are based on the air quality criteria and divided into primary standards (allowing an adequate margin of safety to protect the public health) and secondary standards (allowing an adequate margin of safety to protect the public welfare). Welfare is defined as including (but not limited to) effects on soils, water, crops, vegetation, human-made materials, animals, wildlife, weather, visibility, climate, and hazards to transportation, as well as effects on economic values and on personal comfort and well-being.

NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) OF 1969: An Act that encourages productive and enjoyable harmony between man and his environment and promotes efforts to prevent or eliminate damage to the

environment and biosphere and stimulate the health and welfare of man; enriches the understanding of the ecological systems and natural resources important to the Nation, and establishes the Council on Environmental Quality.

NATIONAL REGISTER OF HISTORIC PLACES: A register of districts, sites, buildings, structures, and objects, significant in American history, architecture, archaeology, and culture, established by the "Historic Preservation Act" of 1966 and maintained by the Secretary of the Interior.

NATIONAL WILD AND SCENIC RIVERS SYSTEM: A system of nationally designated rivers and their immediate environments that have outstanding scenic, recreational, geologic, fish and wildlife, historic, cultural, and other similar values and are preserved in a free-flowing condition. The system consists of three types of streams: (1) recreation—rivers or sections of rivers that are readily accessible by road or railroad and that may have some development along their shorelines and may have undergone some impoundments or diversion in the past, (2) scenic—rivers or sections of rivers free of impoundments with shorelines or watersheds still largely undeveloped but accessible in places by roads, and (3) wild—rivers or sections of rivers free of impoundments and generally inaccessible except by trails, with watersheds or shorelines essentially primitive and waters unpolluted.

NEGLIGIBLE: An effect at the lower level of detection; there would be no measurable change. Effects may not be readily noticeable.

NEUTRAL: An effect that is neither beneficial nor adverse to a specific resource or resource use.

NO SURFACE OCCUPANCY: A fluid minerals leasing constraint that prohibits occupancy or disturbance on all or part of the lease surface to protect special values or uses. Lessees may exploit the fluid mineral resources under the leases restricted by this constraint through use of directional drilling from sites outside the area.

NOXIOUS WEEDS: A plant species designated by Federal or State law as generally possessing one or more of the following characteristics: aggressive and difficult to manage; parasitic; a carrier or host of serious insects or disease; or nonnative, new, or not common to the United States.

NUTRIENT CYCLING: The circulation of chemical elements such as nitrogen, oxygen, carbon, and phosphorus in specific pathways from the abiotic (not involving or produced by organisms) portions of the environment into organic substances in plants and animals and then back into abiotic forms.

-O-

OBJECTIVE: A description of a desired condition for a resource. Objectives can be quantified and measured

and, where possible, have established time frames for achievement.

OBLIGATE: Essential, necessary, unable to exist in any other state, mode, or relationship.

OBLIGATE WETLAND (OBL): Plant species that occur almost always (estimated probability >99%) under natural conditions in wetlands or riparian zones.

OFF-HIGHWAY VEHICLE (OHV): Any motorized vehicle capable of, or designed for, travel on or immediately over land, water, or other natural terrain, excluding: (1) Any nonamphibious registered motorboat; (2) Any military, fire, emergency, or law enforcement vehicle while being used for emergency purposes; (3) Any vehicle whose use is expressly authorized by the authorized officer, or otherwise officially approved; (4) Vehicles in official use; and (5) Any combat or combat support vehicle when used in times of national defense emergencies.

OLD FOREST STRUCTURE: Physical forest or woodland characteristics that contribute to the structure, composition, or function of forested stands for a particular forest type. These characteristics include large and old tree components, accumulations of dead wood components such as standing snags and/or downed logs, occurrence of climax plant species or seral trees with a common decadent attributes such as broken or deformed tops and rotten boles, wide variation in tree age classes and stocking levels, and multiple canopy layers.

OLD-GROWTH: Forested stands in late successional stages of development meeting the main characteristics or old forest structures that are described by the forest type for the East-side Montana Zone in Old-Growth Forest Types of the Northern Region (Green, 1992¹)

Open: Generally denotes that an area is available for a particular use or uses. Refer to specific program definitions found in law, regulations, or policy guidance for application to individual programs.

OPEN ROAD: Open year-round to public and administrative uses.

OPEN ROAD WITH RESTRICTIONS: Open to public and administrative uses with seasonal and/or vehicle type limitations.

OPENING ORDER: Returning land to the operation of some or all of the public land laws. It is normally done at the same time as revocation...opens lands to the operation or partial operation of the public land laws. An opening order may be a part of the revocation order and need not be a separate document.

OPERATOR: Any person who has taken formal responsibility for the operations conducted on the leased lands.

ORE: A mineral deposit of high enough quality to be mined at a profit.

OUTSTANDINGLY REMARKABLE (RIVER) VALUES: Values among those listed in Section 1(b) of the Wild and Scenic Rivers Act are “scenic, recreational, geological, fish and wildlife, historical, cultural, or other similar values. . . .” Other similar values which may be considered include botanical, hydrological, paleontological, or scientific. Professional judgment is used to determine whether values exist to an outstandingly remarkable degree.

OVERSTORY: The layer of foliage in a forest canopy, often the uppermost layer(s) consisting of the crowns of trees or shrubs.

-P-

PALEONTOLOGICAL RESOURCES (FOSSILS): The physical remains of plants and animals preserved in soils and sedimentary rock formations. Paleontological resources are important for understanding past environments, environmental change, and the evolution of life.

PALEONTOLOGY: A science dealing with the life forms of past geological periods as known from fossil remains.

PARENT MATERIAL (SOIL): The unconsolidated more or less chemically weathered mineral or organic matter from which the upper level of the soil profile has developed.

PATENT: The instrument by which the Federal Government conveys title to the public lands.

PERENNIAL STREAM: A natural course that confines and conducts water that flows continuously during all seasons of the year.

PERMIT: A short-term (generally under 3 years), revocable authorization to use public lands for specific purposes. BLM issues permits under 43 CFR 2910.

PERMITTED USE: The forage allocated by, or under the guidance of, an applicable land use plan for livestock grazing in an allotment under a permit or lease. Expressed in AUMs.

PERMITTEE: Holder of a valid permit that authorizes certain uses of the public lands (e.g., for grazing).

PERMITTEE (GRAZING): Holder of a valid permit that authorizes grazing use of the public lands within the grazing district.

PETROGLYPH: A figure, design, or indentation carved, abraded, or pecked into a rock.

PHYSICAL WEED TREATMENT: These are treatments which use manual labor, mechanical equipment, or fire, such as hand-pulling, mowing or tilling, and prescribed burning.

PICTOGRAPH: A figure or design painted onto a rock.

PLACER: An alluvial deposit of sand and gravel containing valuable minerals such as gold.

PLACER MINING: A method of mining in which the overburden is removed to expose gold-bearing gravel deposits beneath. The gravel is then sluiced to separate the gold.

PLAN: A document that contains a set of comprehensive, long range decisions concerning the use and management of Bureau administered resources in a specific geographic area.

PLANNED SALE QUANTITY (PSQ): The allowable forest harvest level that can be maintained without decline over the long term, if the schedule of harvests and regeneration are followed. PSQ is an estimate of potential production rather than a specific level of forest product volume that would be offered every decade.

PLANNING AREA: A geographical area for which land use and resource management plans are developed and maintained. The Butte Field Office Planning Area (approximately 7.2 million acres) is the boundary of the Butte Field Office and includes all of Lewis and Clark, Jefferson, Broadwater, Deer Lodge, Silver Bow, Gallatin, and Park Counties; and the northern portion of Beaverhead County.

PLANNING CRITERIA: The standards, rules, and other factors developed by managers and interdisciplinary teams for their use in forming judgments about decision making, analysis, and data collection during planning. Planning criteria streamline and simplify the resource management planning actions.

PLANNING DECISION (LAND USE PLAN DECISION): establishes desired outcomes and actions needed to achieve them. Decisions are reached using the BLM planning process. When they are presented to the public as proposed decisions, they can be protested to the BLM Director. They are not appealable to Interior Board of Land Appeals.

POPULATION: Within a species, a distinct group of individuals that tend to mate only with members of the group. Because of generations of inbreeding, members of a population tend to have similar genetic characteristics.

POTENTIAL NATURAL VEGETATION: The vegetation that would become established if all successional sequences were completed without interferences by man under the present environmental conditions.

POWER SITE CLASSIFICATION: A classification made by the Federal Power Commission that is a segregation against the operation of the public land laws for lands that are needed or have potential for power projects and associated transmission lines. Lands classified to benefit transmission lines are open to the operation of the public land laws subject to their use for transmission lines.

POWER SITE RESERVE: A reservation of public lands that have potential value for power development.

PRECAMBRIAN: Pertaining to the earliest era of geological history, extending from 4.5 billion to 540 million years ago and encompassing 7/8 of the earth's history. Just before the end of the Precambrian, complex multicellular organisms, including animals, evolved.

PRECIOUS METAL: A general term for gold, silver, or any of the minerals of the platinum group.

PRE-COMMERCIAL THINNING: A thinning that does not yield trees of commercial value, usually designed to reduce stocking in order to concentrate growth on the more desirable trees or to meet desired vegetation and/or fuel loading conditions.

PREHISTORIC: Refers to the period wherein Native American cultural activities took place which were not yet influenced by contact with historic nonnative culture(s).

PRESCRIBED FIRE: The introduction of fire to an area under regulated conditions for specific management purposes.

PRESCRIPTION LIVESTOCK GRAZING (GRAZING): Grazing use authorized on land designated or not designated for livestock grazing designed to accomplish a specific purpose. For example, authorizing sheep and goats to graze a piece of land as a biological control agent to treat noxious weeds. Prescription grazing would normally be authorized on a temporary nonrenewable basis.

PREVENTION OF SIGNIFICANT DETERIORATION: A regulatory program based not on the absolute levels of pollution allowable in the atmosphere but on the amount by which a legally defined baseline condition will be allowed to deteriorate in a given area. Under this program, geographic areas are divided into three classes, each allowing different increases in nitrogen dioxide, particulate matter, and sulfur dioxide concentrations.

PREY BASE: Populations and types of prey species available to predators.

PRIMITIVE AND UNCONFINED RECREATION: Non-motorized, non-mechanized and undeveloped types of recreational activities.

PRIORITY HABITATS: Priority habitats would include habitat for all special status species as well as riparian areas, dry savannah forest, special habitats including caves, cliffs, snags, and down woody material, sagebrush, bitterbrush communities, and mountain mahogany communities.

PRIORITY SPECIES: Priority species are those wildlife, fish, or plant species that the BLM has determined to be unique or significant based on at least one of the following factors: density, diversity, population size, public interest, remnant character, or age.

PRIVATE EXCHANGE: A land exchange between the federal Government and any landowner other than a state.

PROJECT PLAN: A type of implementation plan. A project plan typically addresses individual projects or several related projects. Examples of project plans include prescribed burn plans, trail plans, and recreation site plans.

PROJECT AREA (MINERALS): The area of land upon which an operator conducts mining operations, including the area needed for building or maintaining of roads, transmission lines, pipelines, or other means of access.

PROJECT AREA (VEGETATION): An area of land within some type of management activity would occur and encompasses a region defined by logical boundaries such as: watersheds, ridges, highways, or ownership blocks of BLM lands. The project area can be both the analysis area and a starting point to determine where treatments or activities should occur, and includes the area needed for supporting structures and activities such as roads, transmission lines, or pipelines.

PROPER FUNCTIONING CONDITION (PFC): Ecosystems are in PFC when they function within their historic range of variability.

PROPOSED ACTION: A project or set of activities that a federal agency intends to implement, as defined in NEPA regulations.

PROPOSED PLANNING SCENARIO: Using comments received during the initial scoping period, the BLM interdisciplinary team developed the "Proposed Planning Scenario", to describe possible management prescriptions and goals for individual programs.

PROTEST: Application for review by a higher administrative level.

PUBLIC INVOLVEMENT: Any process designed to broaden the information base upon which agency decisions are made by informing the public about BLM activities, plans, and decisions to encourage public understanding about the participation in the planning processes which lead to final decision-making.

PUBLIC LAND: Land or interest in land owned by the United States and administered by the Secretary of the Interior through the BLM, except lands located on the Outer Continental Shelf, and land held for the benefit of Indians, Aleuts, and Eskimos.

PUBLIC LAND LAWS: A body of laws that regulates the administration of the public lands and the resources thereon.

PUBLIC LAND ORDER (PLO): Creating, continuing, modifying, or revoking a withdrawal or reservation that has been issued by the Secretary of the Interior pursuant to his delegations of authority.

PUBLIC PURPOSE: A use in which the public has an interest, affecting its safety, health, morale, and welfare, but not including use for habitation, cultivation, trade, or manufacturing.

PUBLIC VALUE: An asset held by, service performed for, or benefit accruing to the people at large.

-Q-

QUARRY: An open or surface working, usually for the extraction of stone, slate, limestone, etc.

QUARRY SITE: Place where minerals occur which were a source of raw material for prehistoric/historic industries.

-R-

RANGELAND: Land used for grazing by livestock and big game animals on which vegetation is dominated by grasses, grass-like plants, forbs, or shrubs.

RAPTOR: Bird of prey with sharp talons and strongly curved beaks such as hawks, owls, vultures, and eagles.

REACH: A segment of stream.

REASONABLY FORESEEABLE DEVELOPMENT SCENARIO: The prediction of the type and amount of oil and gas activity that would occur in a given area. The prediction is based on geologic factors, past history of drilling, projected demand for oil and gas, and industry interest.

RECLAMATION: The process of converting disturbed land to its former use or other productive uses.

RECLAMATION PROJECT: A water development and irrigation project of the Bureau of Reclamation.

RECLAMATION WITHDRAWALS:

- First Form: A reclamation withdrawal of public lands that are or may be needed for the building and maintaining a reclamation project.
- Second Form: A reclamation withdrawal of public lands susceptible to irrigation form a reclamation project.
- The distinction between the first and second forms of withdrawals has been eliminated, and all such withdrawals are called reclamation withdrawals.

RECORD OF DECISION: A document signed by a responsible official recording a decision that was preceded by the preparing of an environmental impact statement.

RECREATION AND PUBLIC PURPOSES (R&PP) ACT, THE ACT OF JUNE 14, 1926, AS AMENDED (43 U.S.C. 869, 869-4): A federal statute that allows the disposal of public lands to any state, local, federal, or political instrumentality or nonprofit organization for any recreation or public purpose, at the discretion of the authorized officer.

RECREATION OPPORTUNITY SPECTRUM (ROS): A framework for stratifying and defining classes of outdoor recreation environments, activities, and experience opportunities. The settings, activities, and opportunities for obtaining experiences are arranged along a continuum or spectrum divided into six classes-primitive, semi-primitive non-motorized, semi-primitive motorized, roaded natural, rural and urban.

RELICT: A remnant or fragment of the vegetation of an area that remains from a former period when the vegetation was more widely distributed.

RELINQUISHED ALLOTMENT (GRAZING): An allotment where an existing permittee or lessee gives up his or her permit or lease causing the allotment to become unleased.

RESEARCH NATURAL AREA: An area that illustrates or typifies for research or educational purposes, the important forest and range types in each field office, as well as other plant communities that have special or unique characteristics of scientific interest and importance.

RESERVATION: A "setting aside", or dedication of lands for the federal government for a specific public purpose. "Reserved" land is not necessarily withdrawn. A permanent withdrawal dedicated to a specific public purpose

RESERVES (MINERAL): Known mineral deposits that are recoverable under present conditions but are as yet undeveloped.

RESERVOIR (OIL AND GAS): A naturally occurring, underground container of oil and gas, usually formed by deformation of strata and changes in porosity.

RESOURCE ADVISORY COUNCIL: A council established by the Secretary of the Interior to provide advice or recommendations to BLM management.

RESOURCE MANAGEMENT PLAN: A land use plan as prescribed by the Federal Land Policy and Management Act which establishes, for a given area of land, land-use allocations, coordination guidelines for multiple-use, objectives and actions to be achieved.

RESOURCE RESERVE ALLOTMENT: A unit of public land that will not have term grazing permits issued. Such an allotment would only be grazed on a temporary nonrenewable basis. The use of these allotments would be to provide temporary grazing to rest other areas following wildfire, habitat treatments, or to allow for more rapid attainment of rangeland health. The allotment must be of sufficient size to be managed as a discrete unit. Resource Reserve Allotments should be distributed throughout the planning area.

REVISION: The process of completely rewriting the land use plan due to changes in the planning area affecting major portions of the plan or the entire plan.

REVOCATION: The action that cancels a withdrawal but does not necessarily "open" the lands to application or entry.

RIGHT-OF-WAY: A permit or an easement which authorizes the use of public lands for certain specified purposes, commonly for pipelines, roads, telephone lines, electric lines, reservoirs, etc.; also, the lands covered by such an easement or permit.

RIGHT-OF-WAY CORRIDOR: A parcel of land that has been identified by law, Secretarial order, through a land use plan or by other management decision as being the preferred location for existing and future right-of-way grants and suitable to accommodate one type of right-of-way or one or more rights-of-way which are similar, identical or compatible.

RIPARIAN AREA: A form of wetland transition between permanently saturated wetlands and upland areas. Riparian areas exhibit vegetation or physical characteristics that reflect the influence of permanent surface or subsurface water. Typical riparian areas include lands along, adjacent to, or contiguous with perennially and intermittently flowing rivers and streams, glacial potholes, and the shores of lakes and reservoirs with stable water levels. Excluded are ephemeral areas or washes that lack vegetation and dependent on free water in the soil.

RIVER DESIGNATION: The process whereby rivers are added to the National Wild and Scenic Rivers System by an act of Congress or by administrative action of the Secretary of the Interior with regard to state-designated rivers under Section 2(a)(ii) of the Wild and Scenic Rivers Act.

ROAD DENSITY: Number of miles of open road per square mile.

ROADLESS: Refers to the absence of roads which have been improved and maintained by mechanical means to insure relatively regular and continuous use. A way maintained solely by the passage of vehicles does not constitute a road.

ROCK ART: Petroglyphs or pictographs.

RUNOFF: The water that flows on the land surface from an area in response to rainfall or snowmelt.

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SALABLE MINERALS: Common variety minerals on the public lands, such as sand and gravel, which are used mainly for construction and are disposed of by sales or special permits to local governments.

SALMONID: Any fish of the Salmonidae family, including salmon and trout.

SCALE: Refers to the geographic area and data resolution under examination in an assessment or planning effort.

SCENIC QUALITY: The degree of harmony, contrast, and variety within a landscape.

SCENIC RIVER: A river or section of a river that is free of impoundments and whose shorelines are largely undeveloped but accessible in places by roads.

SCOPING: The process of identifying the range of issues, management concerns, preliminary alternatives, and other components of an environmental impact statement or land-use planning document. It involves both internal and public viewpoints.

SEASONAL RESTRICTION: A fluid minerals leasing constraint that prohibits surface use during specified time periods to protect identified resource values. The constraint does not apply to the operation and maintenance of production facilities unless analysis demonstrates that such constraints are needed and that less stringent, project-specific constraints would be insufficient.

SECTION 7 CONSULTATION: The requirement of Section 7 of the Endangered Species Act that all federal agencies consult with the U.S. Fish and Wildlife Service or the National Marine Fisheries Service if a proposed action might affect a federally listed species or its critical habitat.

SECTION 106 COMPLIANCE: The requirement of Section 106 of the National Historic Preservation Act that any project funded, licensed, permitted, or assisted by the Federal Government be reviewed for impacts to significant historic properties and that the State Historic Preservation Officer and the Advisory Council on Historic Preservation be allowed to comment on a project.

SECURITY HABITAT: refers to the protection inherent in any situation that allows elk to remain in a defined area despite an increase in stress or disturbance associated with hunting or other human activities.

SEDIMENT: Soil, rock particles and organic or other debris carried from one place to another by wind, water, or gravity.

SEDIMENTARY ROCK: Rock resulting from consolidation of loose sediment that has accumulated in layers.

SEDIMENTATION: The process or action of depositing sediment.

SEGREGATION: Any action such as a withdrawal or allowed application (exchange) that suspends the operation of the general public land laws; removing lands from the operation of part or all the public land mineral laws.

SENSITIVE SPECIES: Species designated by the State Director, usually in cooperation with the State agency responsible for managing the species and State Natural heritage programs, as sensitive. They are those species that: (1) could become endangered in or extirpated from a State, or within a significant portion of its distribu-

tion; (2) are under status review by the FWS and/or NMFS; (3) are undergoing significant current or predicted downward trends in habitat capability that would reduce a species' existing distribution; (4) are undergoing significant current or predicted downward trends in population or density such that federal listed, proposed, candidate, or State listed status may become necessary; (5) typically have small and widely dispersed populations; (6) inhabit ecological refugia or other specialized or unique habitats; or (7) are State listed but which may be better conserved through application of BLM sensitive species status.

SERAL: A temporal and intermediate condition pertaining to the successional stages of biotic communities.

SHAFT: A vertical or inclined opening to an underground mine.

SHALLOW SOILS: Soils that are less than 20 inches to bedrock.

SHORT TERM: Effects lasting less than 5 years.

SHRUB: A low, woody plant, usually with several stems, that may provide food and/or cover for animals.

SIGNIFICANT: An effect that is analyzed in the context of the proposed action to determine the degree or magnitude of importance of the effect, either beneficial or adverse. The degree of significance can be related to other actions with individually insignificant but cumulatively significant impacts.

SLASH: Forest residues such as branches, bark, tops, cull logs, broken or uprooted trees, and/or stumps that can be left on the ground or in piles after logging, vegetative or fuels treatments, or land use activities such as road construction.

SLOPE: The degree of deviation of a surface from the horizontal.

SOIL COMPACTION: A layer of dense soil caused by repeated impacts on or disturbances of the soil surface. Compaction becomes a problem when it begins to limit plant growth, water infiltration, or nutrient cycling processes.

SOIL PRODUCTIVITY: The capacity of a soil to produce a plant or sequence of plants under a system of management.

SOIL TEXTURE: The relative proportions of the three size groups of soil grains (sand, silt, and clay) in a mass of soil.

SOLITUDE: (1) the state of being alone or remote from others; isolation; (2) a lonely or secluded place.

SOURCE WATER PROTECTION PLAN: A management plan, usually developed by local communities, that addresses public water system concerns based on information contained within Source Water Delineation and Assessment Reports.

SPECIAL RECREATION MANAGEMENT AREA: A public lands unit identified in land use plans to direct recreation funding and personnel to fulfill commitments made to provide specific, structured recreation opportunities.

SPECIAL STATUS SPECIES: Includes proposed species, listed species, and candidate species under the ESA; State-listed species; and BLM State Director-designated sensitive species.

SPECIES: A unit of classification of plants and animals consisting of the largest and most inclusive array of sexually reproducing and cross-fertilizing individuals, which share a common gene pool.

SPECIES DIVERSITY: The number, different kinds of, and relative abundances of species present in a given area.

STAND: A community of trees or other vegetation uniform in composition, constitution, spatial arrangement, or condition to be distinguishable from adjacent communities.

STAND COMPOSITION: The proportion of each tree species in a stand expressed as a percentage of all trees, basal area, or volume.

STANDARD: A description of the physical and biological conditions or degree of function required for healthy, sustainable lands (e.g., land health standards). To be expressed as a desired outcome or goal.

STATE EXCHANGE: A land exchange between the federal government and a state.

STIPULATIONS: Requirements that are part of the terms of a mineral lease. Some stipulations are standard on all Federal leases. Other stipulations may be applied to the lease at the discretion of the surface management agency to protect valuable surface resources and uses.

STRATEGIC PLAN: A plan that establishes the overall direction for the BLM. This plan is guided by the requirements of the Government Performance and Results Act of 1993, covers a 5-year period, and is updated every 3 years. It is consistent with FLPMA and other laws affecting the public lands.

STREAM REACH: A specified length of a stream or channel.

STRUCTURE (STREAM CHANNEL): Any object, usually large, in a stream channel that controls water movement.

STRUCTURE (OF FOREST VEGETATION): The horizontal and vertical distribution of plants in a stand, including height, diameter, crown layers, and stems of trees, shrubs, herbaceous understory, snags and coarse woody debris.

SUBSTRATE: The mineral or organic material that forms the bed of a stream; the base upon which an

organism lives; the surface on which a plant or animal grows or is attached.

SUCCESSION: The replacement in time of one plant community with another. The prior plant community (or successional stage) creates conditions that are favorable for the establishment of the next stage.

SUITABILITY (FOR WILD AND SCENIC RIVERS): Evaluation of eligible rivers for inclusion into the national Wild and Scenic River System by determining the best use of the river corridor and the best method to protect the outstandingly remarkable values within the river corridor.

SUSTAINABILITY: The ability of an ecosystem to maintain ecological processes and functions, biological diversity, and productivity over time.

SUSTAINED YIELD: Maintenance of an annual or regular periodic output of a renewable resource from public land consistent with the principles of multiple use.

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TAILINGS: The waste matter from ore after the extraction of economically recoverable metals and minerals.

TAKE: As defined by the Endangered Species Act, “to harass, harm, pursue, hunt, shoot, wound, kill, capture, or collect, or attempt to engage in any such conduct.”

TEMPORARY ROUTES: Temporary roads are short-term overland roads, primitive roads, or trails authorized or acquired for the development, construction or staging of a project or event that has a finite lifespan. Temporary routes are not intended to be part of the permanent or designated transportation network system and must be reclaimed when their intended purpose(s) has been fulfilled. Temporary routes should be constructed to minimum standards necessary to accommodate the intended use; the intent is that the project proponent (or their representative) will reclaim the route once the original project purpose or need has been completed. Temporary routes are considered emergency, single use or permitted activity access. Unless they are specifically intended to accommodate public use, they should not be made available for that use. A temporary route will be authorized or acquired for the specific time period and duration specified in the written authorization (permit, right-of-way, lease, contract etc.) and will be scheduled and budgeted for reclamation to prevent further vehicle use and soil erosion from occurring by providing adequate drainage and re-vegetation."

Please keep in mind that complete reclamation of all temporary routes may not be desired or necessary in all situations. When temporary routes are required for periodic use it may be more desirable to close the temporary route to use, assure proper hydrologic functioning of the road bed, and re-vegetate according to the prescription approved in the authorization than it would

be to re-contour soils and slopes to original conditions. In addition, sometimes the BLM allows the temporary route proponent to participate in approved off-site mitigation measures in lieu of reclaiming the temporary route. This type of off-site mitigation is subject to the approval of the BLM's authorized officer.

TERMS AND CONDITIONS: Measures contained in livestock grazing permits and leases, which are determined by the authorized officer to be appropriate to achieve management and resource condition objectives for the public lands and other lands administered by the BLM, and to ensure conformance with Fundamentals of rangeland health and Standards and guidelines for grazing administration.

TERRESTRIAL SPECIES: Ground-dwelling plants and animals.

THERMAL COVER: Vegetation or topography that prevents radiational heat loss, reduces wind chill during cold weather, and intercepts solar radiation during warm weather.

THREATENED SPECIES: Any plant or animal species defined under the Endangered Species Act as likely to become endangered within the foreseeable future throughout all or a significant portion of its range; listings are published in the Federal Register.

TOOLS: Something that helps to accomplish the stated goal or action for a resource/resource use or program. Tools include: timing, duration of grazing, forage utilization, grazing rotation, deferment of grazing, stubble height, bank alteration, and structural features.

TOTAL MAXIMUM DAILY LOAD: An estimate of the total quantity of pollutants (from all sources: point, nonpoint, and natural) that may be allowed into waters without exceeding applicable water quality criteria.

TRADITIONAL LIFEWAY VALUES: Values that are important for maintaining a group's traditional system of religious belief, cultural practice, or social interaction. A group's shared traditional lifeway values are abstract, nonmaterial, ascribed ideas that cannot be discovered except through discussions with members of the group. These values may or may not be closely associated with definite locations. Traditional lifeway values sometimes imbue cultural resources with significance. They can be identified through consultation and considered through public participation during planning and environmental review. The BLM does not manage people's values, beliefs, or social systems.

TRAVEL MANAGEMENT AREAS: Polygons or delineated areas where a rational approach has been taken to classify areas open, closed, or limited, and have identified and/or designated network of roads, trails, ways, and other routes that provide for public access and travel across the planning area. All designed travel routes within travel management areas should have a clearly identified need and purpose as well as clearly

defined activity types, modes of travel, and seasons or timeframes for allowable access or other limitations.

TREATMENT AREA: The specific area of land where the actual management activity, such as timber harvest, prescribed burning, construction, or other activity would occur. One or more treatment areas can be included in a project area which usually includes adjacent and/or surrounding areas that are not treated, and multiple activities could occur within a single treatment area, concurrently or over time.

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UNAUTHORIZED USE: Any occupancy or use of the public lands or the resources of the United States without authorization.

UNAVOIDABLE ADVERSE EFFECTS: Those that remain following the implementation of mitigation measures, and include effects for which there are no mitigation measures.

UNDERSTORY: Vegetation (e.g., trees or shrubs) growing under the canopy formed by taller trees.

UNGULATES: Hoofed animals, including ruminants but also horses, tapirs, elephants, rhinoceroses, and swine.

UNLEASED ALLOTMENTS (GRAZING): Areas of land designated and managed for livestock grazing which are currently not leased or permitted by a qualified applicant

UNRESERVED PUBLIC LANDS: Public lands not covered by a reservation or a withdrawal except by the federal orders of withdrawal.

UPLANDS: Lands at higher elevations than alluvial plains or low stream terraces; all lands outside the riparian-wetland and aquatic zones.

USE AUTHORIZATION: Approval of a proposed use for land or resources on the prescribed form or document designated for such use; a document showing permission to use land or the resources thereon; a formalized grant pursuant to a request to use land or resources.

USER CONFLICT: In the context of travel management, most often refers to conflicts between motorized and non-motorized recreation users, over competition for space and the pursuit of a quality recreational experience. Many non-motorized users consciously seek a quiet, semi-primitive recreational experience. While most motorized users may not mind sharing the same space (trail, area) with non-motorized users, the reverse is not usually true for these reasons.

USER DAY: Any calendar day, or portion thereof, for each individual accompanied or serviced by an operator or permittee on the public lands or related waters; synonymous with passenger day or participant day.

UTILIZATION (RANGELAND): The proportion of the current year's forage production that is consumed or

destroyed by grazing animals. Utilization is usually expressed as a percentage.

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VACANT AVAILABLE LANDS (GRAZING): Areas of land designated for livestock grazing which are not segregated into allotments. These lands may be formed into allotments if a qualified applicant applies for a lease or permit.

VACANT PUBLIC LANDS: Public lands that are unappropriated and unreserved and not within a withdrawal; lands that are not reserved except by the general orders of withdrawal.

VALID EXISTING RIGHTS: Locatable mineral development rights that existed when the Federal Land Policy and Management Act was enacted on October 21, 1976. Some areas are segregated from entry and location under the Mining Law to protect certain values or allow certain uses. Mining claims that existed as of the effective date of the segregation may still be valid if they can meet the test of discovery of a valuable mineral required under the Mining Law. Determining the validity of mining claims located in segregated lands requires BLM to conduct a validity examination and is called a "valid existing rights" determination.

VEGETATION COMMUNITY: An assemblage of plant populations in a common spatial arrangement.

VEGETATION MANIPULATION: Alteration of vegetation by using fire, plowing, cutting, powered mechanical or other means.

VEGETATION TYPE: A plant community with distinguishable characteristics described by the dominant vegetation present.

VERY DEEP SOILS: Soils that are greater than 60 inches deep to bedrock.

VERY SHALLOW SOILS: Soils that are less than 10 inches to bedrock.

VIALE: Capable of sustaining a healthy, productive, and reproducing population over a long period of time.

VISUAL RESOURCE MANAGEMENT CLASSES: Categories assigned to public lands based on scenic quality, sensitivity level, and distance zones. There are four classes. Each class has an objective which prescribes the amount of change allowed in the characteristic landscape.

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WAIVER (OIL AND GAS): A permanent exemption to a lease stipulation.

WASTE ROCK: Barren rock at a mine or material that is too low in grade to be of economic value.

WATER QUALITY: The chemical, physical, and biological characteristics of water with respect to its suitability for a particular use.

WATER QUALITY RESTORATION PLANS: A comprehensive plan developed in conjunction with Montana Department of Environmental Quality, local watershed groups, and numerous agencies and entities to address and establish water quality goals, Total Maximum Daily Loads, restoration strategies, and monitoring.

WATER TABLE: The surface in a groundwater body where the water pressure is atmospheric. It is the level at which water stands in a well that penetrates the water body just far enough to hold standing water.

WATERSHED: A geomorphic area of land and water within the confines of a drainage divide. The total area above a given point on a stream that contributes flow at that point.

WATERSHED APPROACH: A framework to guide watershed management that: (1) uses watershed assessments to determine existing and reference conditions; (2) incorporates assessment results into resource management planning; and (3) fosters collaboration with all landowners in the watershed. The framework considers both ground and surface water flow within a hydrologically defined geographical area.

WATERSHED ASSESSMENT: An analysis and interpretation of the physical and landscape characteristics of a watershed using scientific principles to describe watershed conditions as they affect water quality and aquatic resources.

WEED MANAGEMENT AREA: These are distinguishable zones based on similar geography, weed problems, climate, or human-use patterns with agreements between landowners to cooperatively manage noxious weeds.

WETLAND VEGETATION: The outer extent of the obligate and facultative wetland species that grows on land that is inundated or saturated by surface water or groundwater.

WETLANDS: Areas that are inundated or saturated by surface or ground water often and long enough to support and under normal circumstances do support a prevalence of vegetation typically adapted for life in saturated soil conditions.

WILD RIVER: Those rivers or sections of rivers that are free of impoundments and generally inaccessible except by trail, with watersheds or shorelines essentially primitive and waters unpolluted. These represent vestiges of primitive America.

WILD, SCENIC, OR RECREATIONAL RIVER: The three classes of what is traditionally referred to as a "Wild and Scenic River." Designated river segments are classified as wild, scenic and/or recreational, but the segments cannot overlap.

WILD AND SCENIC STUDY RIVER: Rivers identified in Section 5 of the Wild and Scenic Rivers Act for study as potential additions to the National Wild and Scenic

Rivers System. The rivers shall be studied under the provisions of Section 4 of the Wild and Scenic Rivers Act.

WILDCAT, OR EXPLORATION, WELL: A well drilled in the area where there is no oil or gas production.

WILDERNESS: A congressionally designated area of undeveloped federal land retaining its primeval character and influence, without permanent improvements or human habitation, that is protected and managed to preserve its natural conditions and that (1) generally appears to have been affected mainly by the forces of nature, with human imprints substantially unnoticeable; (2) has outstanding opportunities for solitude or a primitive and unconfined type of recreation; (3) has at least 5,000 acres or is large enough to make practical its preservation and use in an unimpaired condition; and (4) may also contain ecological, geological, or other features of scientific, educational, scenic, or historic value.

WILDERNESS CHARACTERISTICS: Key characteristics of a wilderness listed in section 2(c) of the "Wilderness Act" of 1964 and used by BLM in its wilderness inventory. These characteristics include size, naturalness, outstanding opportunities for solitude, outstanding opportunities for primitive and unconfined type of recreation, and special features.

WILDERNESS STUDY AREA: A designation made through the land use planning process of a roadless area found to have wilderness characteristics as described in Section 2 (c) of the Wilderness Act of 1964

WILDFIRE: An unplanned, unwanted wildland fire, including unauthorized human-caused fires, escaped prescribed fire projects, and all other wildland fires where the objective is to put the fire out.

WILDLAND FIRE: Any nonstructural fire, other than prescribed fire, that occurs in the wildland.

WILDLAND FIRE SITUATION ANALYSIS: A decision-making process that evaluates alternative management strategies against selected safety, environmental, social, economical, political, and resource management objectives as selection criteria.

WILDLAND URBAN INTERFACE (WUI): The line, area, or zone, where structures and other human development meet or intermingle with undeveloped wildland or vegetative fuel.

WILDLIFE CORRIDOR: Landscape elements that connect similar patches of habitat through an area with different characteristics. Wildlife corridors are also segments of land which create a link between critical habitats. For example, streamside vegetation may create a corridor of willows and hardwoods between meadows or through a forest. These linkage zones are where species migrate and intermingle ensuring genetic interchange and consequently long-term survival.

WINTER RANGE: Range that is grazed during winter.

WITHDRAWAL: Removal or withholding of public lands by statute or secretarial order, from the operation of some or all of the public land laws.

WITHDRAWAL MODIFICATION: To make a change to an existing, indefinite withdrawal.

WITHDRAWAL REVOCATION: The cancellation of a withdrawal

WOODLAND: A forest community occupied primarily by noncommercial species such as juniper, mountain mahogany, or quaking aspen groves; all western juniper or limber pine are classified as woodlands, since juniper and limber pine are classified as noncommercial species.

